

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	30954	"SONY CORPORATION"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 07:42
S2	332957	"SONY"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 07:42
S3	6	((TAKUYA) near2 (DAISHIN)).INV.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 07:43
S4	70	((YOSHITAKA) near2 (MIYAKE)). INV.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 08:11
S5	16	((HISAO) near2 (OSABE)).INV.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 07:44
S6	2	"20040246034"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 09:15
S8	263	(reproduced\$2signal) or (reproduced-signal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 12:49

## EAST Search History

S9	30	S8 and S1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 09:16
S10	27760	sampl\$5 near3 ((ADC OR A/D OR (A to D)) OR ( analog to digital converter) or (analog-to-digital converter))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 13:26
S11	14846	(equalizer or equaliser) near3 (equaliz\$5 or equalis\$5 or vary\$5 or adjust\$4 or balanc\$4 or correct\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 13:26
S13	3938	(phase adj1 frequency adj1 (control\$3 or detect\$5)) near3 (detect\$5 or determin\$5 or recogniz\$4 or identify\$4 or estimat\$5 or investigat\$5, monitor\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 12:38
S15	29026	sampl\$5 near3 ((ADC OR A/D OR A-D or (A to D)) OR ( analog to digital converter) or (analog-to-digital converter))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 11:16
S16	81307	oscillation near3 (vary\$4 or oscillat\$5 or pulsat\$5 or chang\$4 or alternat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 11:23
S17	3	S15 and S11 and S13 and S16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 12:38

## EAST Search History

S20	3872	(341/142,155).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 11:56
S21	9	("5463607"   "5587978"   "5627809"   "5642417"   "5671204"   "5748585"   "5844867"   "5912867"   "6081651").PN. OR ("6411774"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/06 12:05
S22	2	"6977970"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 12:26
S23	8	("5455813"   "5508993"   "5917855"   "6108354"   "6198587"   "6275967"   "6552988"   "6600779").PN. OR ("6977970").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/06 12:26
S24	20	("5289190"   "5440532"   "5455813").PN. OR ("5508993"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/06 12:28
S25	4943	(375/344,229-233,294,327).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 12:38
S26	221209	(digital adj1 data) or (reproduc\$4 signal\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 13:27
S27	930	(375/344).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 12:52

## EAST Search History

S28	209	S26 and S27	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 12:38
S29	88581	pll or (phase\$2lock\$3 loop\$3) or (phase-lock\$3 loop\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 12:39
S30	84	S28 and S29	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 12:40
S31	51538	(reproduced\$2signal\$2) or (reproduc\$5-signal\$2) or (reproduc\$4 signal\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 13:38
S32	0	S31 and S29 S27	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 12:44
S33	4	S31 and S29 and S27	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 12:44
S34	21	("4048566"   "4527127"   "4642573"   "4696056"   "4713630"   "4871973"   "4916405").PN. OR ("5260671"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/06 12:46

## EAST Search History

S35	1332	S10 and S31	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 12:47
S36	1332	S35	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 12:47
S37	3	S35 and S27	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 12:47
S38	36458	(reproduc\$4 data)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 12:51
S39	10	S38 and S27	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 12:49
S40	3577	S29 and S38	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 12:51
S41	3414	(375/229-233).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 13:37

## EAST Search History

S42	24	S40 and S41	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 12:52
S43	16	("5327298"   "5341249"   "5406427"   "5526200"   "5588011"   "5719843"   "5781590"   "5872666"   "6249398"   "6385239").PN. OR ("6836511").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/06 12:53
S44	24	("5166955"   "5255128"   "5265125").PN. OR ("5506827"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/06 12:56
S45	12	("5506827"   "5508993"   "5566155"   "6603722"   "6614841"   "6618337"   "6674707"   "6674816"   "6807134"   "6819724"   "6826722"   "6836511").PN. OR ("7076006").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/06 12:57
S46	260163	((ADC OR A/D OR (A to D)) OR ( analog to digital converter) or (analog-to-digital converter))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 13:26
S47	55399	(equalizer\$2 or equaliser\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 13:26
S48	64730	vco or (voltage-control\$4 oscillator) or (voltage control\$4 oscillator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 13:30
S49	11639	(pfc or (phase-frequency or phase\$2 frequency) adj control\$4) or pfd or (phase adj frequency adj detect\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 13:33

## EAST Search History

S50	97	S46 and S47 and S48 and S49	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 13:34
S51	7	S41 and S50	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 13:46
S52	88600	S29 or S50	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 13:35
S53	23	"4849990"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 13:36
S54	9	"6728300"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 13:36
S55	26	"5696766"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 13:36
S56	4	"6862691"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 13:36

## EAST Search History

S57	2	"6862269"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 13:37
S58	103	S31 and S41	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 13:37
S59	3651	S31 and S1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 13:38
S60	4	S59 and S42	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 13:43
S61	13	S59 and S41	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 13:41
S62	0	S59 and S50	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 13:42
S63	991	S59 and S46	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 13:42



## EAST Search History

S64	225	S59 and S48	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 13:43
S65	4	S59 and S49	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 13:43
S66	837	S59 and S29	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 13:43
S67	839	(327/165).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 13:44
S68	0	S66 and S67	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 13:44
S69	1	S59 and S67	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 13:44
S70	78	S29 and S50	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/06 13:46

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	90	("dac" or "d/a" or "d-t-a" or (digital to analog converter)) SAME (equalizer or equaliser) AND (IIR or (Infinite Impulse Response))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 09:03
S2	8	("5168461"   "5325322"   "5422760"   "5592340"   "5650954").PN. OR ("6314444"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/09 07:39
S3	79025	(IIR or (Infinite Impulse Response))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 07:40
S4	2	S2 and S3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 07:39
S5	31576	digital filter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 07:40
S6	3004	S3 and S5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 07:40
S7	121075	("dac" or "d/a" or "d-t-a" or (digital to analog converter))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 07:54

## EAST Search History

S8	967	S6 and S7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 07:41
S9	23315	(reproduced signal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 07:54
S10	32	S8 and S9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 07:41
S11	5	("4812987"   "4831464"   "5258877"   "5359473").PN. OR ("5867330").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/09 07:48
S12	1	S3 and S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 07:49
S13	11	("4558378").PN. OR ("4825305"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/09 07:49
S14	0	S3 and S13	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 07:49
S15	1898	S3 and S7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 08:18

## EAST Search History

S16	36	S15 and S9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 07:51
S17	51583	(reproduc\$6 signal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 07:55
S18	4402	S7 and S17	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 07:55
S19	77	S3 and S18	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 07:55
S20	15	("5341135"   "5512898"   "5561424"   "5568142"   "5585802").PN. OR ("5835043"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/09 08:00
S21	4	S20 and S3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 07:57
S22	18	("5079734"   "5235534"   "5384869"   "5479168"   "5512898"   "5529068"   "5657261"   "5717618"   "5781137"   "5808574"   "5835043"   "5935199"   "5963160"   "6023191").PN. OR ("6337645").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/09 07:57

## EAST Search History

S23	4	S22 and S3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 07:57
S24	4	"6212144"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 08:01
S25	252144	"son"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 08:01
S26	333119	"sony"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 08:01
S27	228	S3 and S26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 08:01
S28	52	S27 and S7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 08:01
S29	7	("5313494"   "5617480"   "5654909").PN. OR ("5910904"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/09 08:12

## EAST Search History

S30	4	S3 and S29	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 08:12
S31	0	(375/229-233)"ccls."	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 08:18
S32	3414	(375/229-233).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 08:18
S33	94	S15 and S32	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 08:21
S34	9	"2384354"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 08:21
S35	14	"5381354"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 08:22
S36	9	"6158027"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 08:22

## EAST Search History

S37	22	"6260053"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 08:24
S38	2	"20010040933"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 08:25
S39	5	"6411253"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 08:25
S40	3	"7007053"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 08:25
S41	7	("4752905"   "4982354"   "5262972"   "5497342"   "5692020"   "6370556").PN. OR ("7007053").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/09 08:26
S42	3	S41 and S3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 08:26
S43	79025	(IIR or (Infinite Impulse Response))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 08:27

## EAST Search History

S44	3414	(375/229-233).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 08:27
S45	299	S43 and S44	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 08:28
S46	2	S9 and S45	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 08:28
S47	22	("4238746"   "4253184").PN. OR ("4847864").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/09 08:44
S48	3	S3 and S47	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 08:52
S49	24	"4847864"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 08:47
S50	12	("4472785"   "4590524"   "4847864"   "4939516"   "5005184"   "5245343"   "5440434").PN. OR ("5668746"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/09 08:50
S51	7	"5668746"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 08:51



## EAST Search History

S52	12	("4472785"   "4590524"   "4847864"   "4939516"   "5005184"   "5245343"   "5440434").PN. OR ("5668746").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/09 08:51
S53	6	S3 and S52	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 08:53
S54	4	S3 and S51	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 08:53
S55	14	"6222592"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 09:02
S56	22	"5712873"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 09:02
S57	41	("dac" or "d/a" or "d-t-a" or (digital to analog converter)) NEAR10 (equalizer or equaliser) AND (IIR or (Infinite Impulse Response))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 09:03
S58	7	"5668746"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 09:12

## EAST Search History

S59	78810	(IIR or (Infinite Impulse Response) near3 filter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 09:12
S60	79025	IIR or (Infinite Impulse Response)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 09:12
S61	121075	("dac" or "d/a" or "d-t-a" or (digital to analog converter))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 09:39
S62	10	("dac" or "d/a" or "d-t-a" or (digital to analog converter)) near4 (IIR or (Infinite Impulse Response) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 09:40
S63	65	("dac" or "d/a" or "d-t-a" or (digital to analog converter)) WITH (IIR or (Infinite Impulse Response) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 09:14
S64	253	("dac" or "d/a" or "d-t-a" or (digital to analog converter)) SAME (IIR or (Infinite Impulse Response) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 09:22
S65	592	(equalizer or equaliser) SAME (IIR or (Infinite Impulse Response) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 11:41

## EAST Search History

S66	297	(equalizer or equaliser) WITH (IIR or (Infinite Impulse Response) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 09:23
S67	215	(equalizer or equaliser) NEAR9 (IIR or (Infinite Impulse Response) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 09:38
S68	3414	(375/229-233).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 09:26
S69	299	S60 and S68	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 09:27
S70	1619738	sampl\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 09:27
S71	270	S69 and S70	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 09:36
S72	2	"20040246034"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 09:36

## EAST Search History

S73	592	(equalizer or equaliser) same(IIR or (Infinite Impulse Response) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 13:25
S74	1663	(equalizer or equaliser) AND (IIR or (Infinite Impulse Response) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 10:37
S75	18	("dac" or "d/a" or "d-t-a" or (digital to analog converter)) same ((equalizer or equaliser) AND (IIR or (Infinite Impulse Response)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 10:19
S76	20	"5526200"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 10:27
S77	2351	decimation filter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 10:38
S78	78810	(IIR or (Infinite Impulse Response) near3 filter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 10:39
S79	3660	automat\$5 near3 equaliz\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 10:39

## EAST Search History

S80	2	S77 and S78 and S79	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 10:37
S81	48	("3937882"   "4336613").PN. OR ("4425665").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/09 10:38
S82	5590	decimat\$5 near3 filter\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 12:50
S83	78849	(IIR or (Infinite Impulse Response) near3 filter\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 10:43
S84	5173	automat\$5 near8 equaliz\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 10:40
S85	11	S82 and S83 and S84	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 11:22
S86	147	((IIR or (Infinite Impulse Response) near3 filter\$4)) WITH (decimat\$5 near3 filter\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 11:41

## EAST Search History

S87	17	"5590065"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 11:25
S88	20	"5751615"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 11:26
S89	26	"5963160"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 11:27
S90	16	"5485152"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 11:27
S91	25	("4179670"   "4281318"   "4797845"   "4953117"   "4954824"   "4987373"   "4990911"   "5075679"   "5111417"   "5119093"   "5121065"   "5157395"   "5204827"   "5227787"   "5313205"   "5353026").PN. OR ("5485152").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/09 11:34
S92	26	"5963160"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 11:34
S93	11	"6470365"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 11:36

## EAST Search History

S94	5	"6697003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 11:37
S95	135	(equalizer or equaliser) with decimation	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 11:52
S96	298	(equalizer or equaliser) with decimat\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 12:11
S97	333119	"sony"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 12:16
S98	298	(equalizer\$3 or equaliser\$4) with decimat\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 12:12
S99	15706	decimat\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 12:12
S100	78849	(IIR or (Infinite Impulse Response) near3 filter\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 12:16

## EAST Search History

S10 1	79025	IIR or (Infinite Impulse Response)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 12:12
S10 2	3660	automat\$5 near3 equaliz\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 12:14
S10 3	6215	decimat\$4 near3 filter\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 12:15
S10 4	0	S97 and S100 and S101 and S102 and S103	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 12:16
S10 5	228	S97 and S100	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 12:18
S10 6	63	S97 and S102	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 12:17
S10 7	228	S97 and S101	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 12:17



## EAST Search History

S10 8	275	S97 and S103	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 12:18
S10 9	0	S105 and S106 and S108 and S107	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 12:18
S11 0	1	S105 and S106	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 12:19
S11 1	228	S105 and S107	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 12:19
S11 2	6	S111 and S108	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 12:19
S11 3	15	("5341135"   "5512898"   "5561424"   "5568142"   "5585802").PN. OR ("5835043"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/09 12:37
S11 4	42	("5191305"   "5392044"   "5412690"   "5465072").PN. OR ("5568142").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/09 12:26
S11 5	15	"5610954"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 12:45

## EAST Search History

S11 6	12	"5835043"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 12:45
S11 7	190	(reproduc\$4 near signal) and (decimat\$5 near3 filter\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 12:55
S11 8	27	"5512898"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 12:55
S11 9	0	"51478382"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 13:13
S12 0	7	"5148382"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 13:13
S12 1	157	(IIR\$2 or (Infinite\$2 Impulse\$3 Response\$3)) WITH (decimat\$4 near3 filter\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/09 13:27